

CLAIMS

1. Support for a part (4) to be coated, comprising a substrate (1) with a front face in which there is a recess forming a part reception cavity, holding contacts (10) for the part arranged around the substrate and curved towards the cavity, a first mechanism for deployment of the holding contacts in the radial direction, characterised in that it comprises a second mechanism (11, 38) for displacing the substrate perpendicular to the radial direction relative to the holding contacts; and the first mechanism comprises a ring (9) carrying the holding contacts (10), slides (38) fixing the ring (9) to the substrate (1) in rotation but leaving them free in translation, and a cam ring (7, 8) pressing on support parts (27) of the holding contacts forming part of the carrier ring (9), the carrier ring and the cam ring being coaxial and designed so that they are mutually free in rotation.

2. Support for a part (4) to be coated according to claim 1, characterised in that the holding contact supports are connected to a main annular portion (26) of the carrier ring (9) through articulations (28), and the cam ring is double and comprises two cam circles (17, 20) between which the carrier ring is retained, and the circle cams are arranged with an angular offset so as to press alternately on levers (41) on the side opposite the articulations of the supports of the holding contacts.

3. Support for a part to be coated according to claim 1, characterised in that it comprises a screw (11) with a stem inserted in the substrate and with a head (37) supporting the cam ring and the carrier ring
5 (7, 8, 9).

4. Support for a part to be coated according to claim 1, characterised in that the holding contacts are fitted with spring tips (34).
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5. Support for a part to be coated according to claim 1, characterised in that the holding contacts are fitted with hemispherical tips (33).

15 6. Support for a part to be coated according to claim 1, characterised in that the holding contact supports (27) can be divided in two halves (59, 60) between which the holding contacts (10) are retained.

20 7. Support for a part to be coated according to claim 1, characterised in that the holding contacts (10) are fitted with independent electrical power supply wires as far as an electrical power supply source located beyond an arm (55) supporting the
25 support.